
Imperial Dam/All American Canal Projects Update-2021

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Project No.	Project Name		Budget											
	Major Capital Projects		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	
200084	Gila Headworks	Trunnion Repair-Permanent Fix (Design&Construction)	\$ 300,000	\$ 48,077	\$ 3,666,118									
200069	Gila Headworks	Refurbish Gila Headworks gate (Recommendation 2013-2-R)	\$ -	\$ 25,000	\$ 3,115,100	\$ -	\$ -							
2.83-30028302	Gila Headworks	Repair embeds on Gila Diversion gate			\$ -	\$ 150,000	\$ 150,000	\$ 150,000	150000	150000	150000	150000		
2.93-30028301	Gila Headworks	Rebuild one Gila Diversion gate pair (Part of Recommendation 2013-2-I)			\$ -	\$ 145,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000	\$ 325,000		
TBD	Gila Headworks	Gila Headworks Motor & Gearbox Replacement Project					\$ 175,000	175,000.00	175,000.00					
TBD	Gila Headworks	Gila Diversion Motor & Gearbox Replacement Project								155,000.00	155,000.00	150,000.00	155,000.00	
200103	Common Works	Unused radial gate repair (Part of Recommendation 2007-2-O)	\$ 383,000	\$ 197,970	\$ -	\$ 3,100,000								
200101	AAC Section 1	Sludge pipe replacement	\$ 609,425	\$ -	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000						
200077	AAC Section 3	Rebuild Pilot Knob wasteway gates	\$ 108,869	\$ 381,400	\$ 1,140,500	\$ -	\$ -							
200122	AAC Section 3	Pilot Knob Actuator Upgrade	\$ 298,000	\$ 496,200										
200067	AAC Section 1	Refurbish two Bypass and Clarifier inlet gates (multi-year project, 1	\$ -	\$ 315,000	\$ -	\$ 1,280,000	\$ 1,280,000	\$ 1,280,000	\$ 640,000					
200068	Laguna Dam	Refurbish and install Laguna Dam gate (Recommendation 2009-2-F)	\$ -	\$ 350,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ 800,000	\$ 800,000		
200114	Senators Wash	Units 1,2,3 & 5-Rewind Stator & Refurbish Pump	\$ 540,779	\$ 600,000	\$ 475,000									
200070	Section 1	Trashrack Railway Replacement	\$ 493,726											
TBD	AAC Section 1	Refurbish station 48+50 check gates				\$ -	\$ -	\$ -				\$ 280,000	\$ 420,000	
TBD	AAC Section 1	Evaluate wooden clarifier training walls, Repair or replace caps as r			\$ -				\$ 375,000					
TBD	AAC Section 1	Desilting Basins Clarifier Arms Replacement (72 Pedestals)							\$ 625,000	\$7,500,000.00	\$7,500,000.00	\$7,500,000.00		
TBD	AAC Section 1	California Sluiceway Motor & Gearbox Replacement Project							\$400,000.00	\$400,000.00				
TBD	AAC Section 3	Refurbish Pilot Knob Check Gates			\$ -	\$ -	\$ -	\$ -	\$ 425,000	\$ 425,000	\$ 425,000	\$ 425,000	\$ 425,000	
	Subtotals:		\$ 2,733,799	\$ 2,340,570	\$ 8,646,718	\$ 9,675,000	\$ 6,930,000	\$ 6,930,000	\$ 2,690,000	\$ 9,330,000	\$ 8,930,000	\$ 9,205,000	\$ 575,000	



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Executive Summary

- Imperial Dam is primarily a concrete slab and buttress structure on the Colorado River located approximately 18 northeast of Yuma, Arizona. The Dam was constructed between 1936 and 1938 by Reclamation to impound water for irrigation.
- The Dam's overall length is approximately 3,479 feet. The sections of the Dam consist of the California abutment, the All American Canal (AAC) Headworks, the California Sluiceway, the overflow weir (spillway) section, the Gila Canal Headworks, and the Arizona abutment.

Projects List

- Imperial Dam Roller Gates 1 through 4 Overhaul completed in 2018, total project cost-\$2,955,900
- Imperial and Laguna Dams Electrical Upgrade Project completed in 2018, total project cost-\$20,940,977
- Imperial Dam Sluiceway Gate Replacement Project completed in 2019, total project cost-\$3,132,200
- Imperial Dam Concrete Repairs 2019, total project costs-\$823,954

Projects List

- Imperial Dam Desilting Basin Clarifier Valve Replacement Project will be completed in 2021, total project cost-\$1,985,200
- Senator Wash Units 1, through 6 Rewind Stator and Pump Refurbishment 2019-2021, total project cost-\$2,145,800
- Gila Headworks Trunnion Repair Project 2021-2022, estimated project costs-\$4,156,635
- Gila Headworks Gate Replacement 2021-2022, estimated project costs-\$2,900,000



Projects List

- Pilot Knob Wasteway/Spill Gate Replacement Project will be completed in 2021, project costs-\$1,861,600
- Imperial Dam Desilting Basins Sludge Pipe Replacement Project 2022, estimated project costs-\$15,000,000
- Gila Gravity Main Canal Unused Radial Gates Permanent Closure Project 2022, estimated project costs-\$2,900,000

Questions?